

# Gregory S Gilbert

## List of Publications by Year in descending order

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81  
papers

7,343  
citations

94381

37  
h-index

60583

81  
g-index

84  
all docs

84  
docs citations

84  
times ranked

8770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are tropical fungal endophytes hyperdiverse?. <i>Ecology Letters</i> , 2000, 3, 267-274.	3.0	676
2	Biotic interactions and plant invasions. <i>Ecology Letters</i> , 2006, 9, 726-740.	3.0	649
3	Phylogenetic signal in plant pathogen-host range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4979-4983.	3.3	633
4	<scp>CTFS</scp>â€œForest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	4.2	473
5	EVOLUTIONARY ECOLOGY OF PLANT DISEASES IN NATURAL ECOSYSTEMS. <i>Annual Review of Phytopathology</i> , 2002, 40, 13-43.	3.5	464
6	Global importance of largeâ€œdiameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	2.7	330
7	The Evolutionary Ecology of Novel Plant-Pathogen Interactions. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2004, 35, 675-700.	3.8	292
8	Phylogenetic structure and host abundance drive disease pressure in communities. <i>Nature</i> , 2015, 520, 542-544.	13.7	264
9	Fungal endophytes in dicotyledonous neotropical trees: patterns of abundance and diversity. <i>Mycological Research</i> , 2001, 105, 1502-1507.	2.5	241
10	DIRECT AND INTERACTIVE EFFECTS OF ENEMIES AND MUTUALISTS ON PLANT PERFORMANCE: A META-ANALYSIS. <i>Ecology</i> , 2007, 88, 1021-1029.	1.5	208
11	PHYLODIVERSITY-DEPENDENT SEEDLING MORTALITY, SIZE STRUCTURE, AND DISEASE IN A BORNEAN RAIN FOREST. <i>Ecology</i> , 2006, 87, S123-S131.	1.5	191
12	Effects of seedling size, El NiÃ±o drought, seedling density, and distance to nearest conspecific adult on 6-year survival of <i>Ocotea whitei</i> seedlings in Panama. <i>Oecologia</i> , 2001, 127, 509-516.	0.9	139
13	Introduced Species, Disease Ecology, and Biodiversityâ€œDisease Relationships. <i>Trends in Ecology and Evolution</i> , 2017, 32, 41-54.	4.2	135
14	Community composition of rootâ€œassociated fungi in a <i><scp>Q</scp>uercus</i>-dominated temperate forest: â€œecodominanceâ€œof mycorrhizal and rootâ€œendophytic fungi. <i>Ecology and Evolution</i> , 2013, 3, 1281-1293.	0.8	133
15	WHEN THERE IS NO ESCAPE: THE EFFECTS OF NATURAL ENEMIES ON NATIVE, INVASIVE, AND NONINVASIVE PLANTS. <i>Ecology</i> , 2007, 88, 1210-1224.	1.5	130
16	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	1.9	122
17	Evolutionary tools for phytosanitary risk analysis: phylogenetic signal as a predictor of host range of plant pests and pathogens. <i>Evolutionary Applications</i> , 2012, 5, 869-878.	1.5	114
18	Effects of an Introduced Bacterium on Bacterial Communities on Roots. <i>Ecology</i> , 1993, 74, 840-854.	1.5	97

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19	Susceptibility of clover species to fungal infection: the interaction of leaf surface traits and environment. <i>American Journal of Botany</i> , 2003, 90, 857-864.	0.8	88
20	Adult trees cause densityâ€dependent mortality in conspecific seedlings by regulating the frequency of pathogenic soil fungi. <i>Ecology Letters</i> , 2016, 19, 1448-1456.	3.0	88
21	The Evolutionary Ecology of Plant Disease: A Phylogenetic Perspective. <i>Annual Review of Phytopathology</i> , 2016, 54, 549-578.	3.5	78
22	Polypore fungal diversity and host density in a moist tropical forest. <i>Biodiversity and Conservation</i> , 2002, 11, 947-957.	1.2	73
23	Pathogens promote plant diversity through a compensatory response. <i>Ecology Letters</i> , 2008, 11, 461-469.	3.0	71
24	Tree biodiversity in farmer cooperatives of a shade coffee landscape in western El Salvador. <i>Agriculture, Ecosystems and Environment</i> , 2007, 119, 145-159.	2.5	68
25	Allelopathy: a tool for weed management in forest restoration. <i>Plant Ecology</i> , 2012, 213, 1975-1989.	0.7	64
26	Nocturnal Fungi: Airborne Spores in the Canopy and Understory of a Tropical Rain Forest1. <i>Biotropica</i> , 2005, 37, 462-464.	0.8	60
27	Plant Diseases and the Conservation of Tropical Forests. <i>BioScience</i> , 1996, 46, 98-106.	2.2	57
28	Effect of tree host species on fungal community composition in a tropical rain forest in Panama. <i>Diversity and Distributions</i> , 2003, 9, 455-468.	1.9	57
29	ORIGINAL ARTICLE: Rapid evolution in a plantâ€pathogen interaction and the consequences for introduced host species. <i>Evolutionary Applications</i> , 2010, 3, 144-156.	1.5	56
30	THE PATCHINESS OF EPIFOLIAR FUNGI IN TROPICAL FORESTS: HOST RANGE, HOST ABUNDANCE, AND ENVIRONMENT. <i>Ecology</i> , 2007, 88, 575-581.	1.5	55
31	Host Specialization among Wood-Decay Polypore Fungi in a Caribbean Mangrove Forest1. <i>Biotropica</i> , 2002, 34, 396-404.	0.8	52
32	Host and habitat preferences of polypore fungi in Micronesian tropical flooded forests. <i>Mycological Research</i> , 2008, 112, 674-680.	2.5	49
33	The Impact of Plant Enemies Shows a Phylogenetic Signal. <i>PLoS ONE</i> , 2015, 10, e0123758.	1.1	49
34	Soil microbes drive phylogenetic diversity-productivity relationships in a subtropical forest. <i>Science Advances</i> , 2019, 5, eaax5088.	4.7	48
35	Dilution effect of plant diversity on infectious diseases: latitudinal trend and biological context dependence. <i>Oikos</i> , 2020, 129, 457-465.	1.2	47
36	Adapterama II: universal amplicon sequencing on Illumina platforms (TaggiMatrix). <i>PeerJ</i> , 2019, 7, e7786.	0.9	47

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37	Linking Aboveground Traits to Root Traits and Local Environment: Implications of the Plant Economics Spectrum. <i>Frontiers in Plant Science</i> , 2019, 10, 1412.	1.7	46
38	Continent-wide tree fecundity driven by indirect climate effects. <i>Nature Communications</i> , 2021, 12, 1242.	5.8	46
39	Fungal diversity and plant disease in mangrove forests: salt excretion as a possible defense mechanism. <i>Oecologia</i> , 2002, 132, 278-285.	0.9	44
40	Dimensions of plant disease in tropical forests. , 2005, , 141-164.		43
41	Is there tree senescence? The fecundity evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	42
42	Cooperative management and its effects on shade tree diversity, soil properties and ecosystem services of coffee plantations in western El Salvador. <i>Agroforestry Systems</i> , 2009, 76, 111-126.	0.9	40
43	Epifoliar fungi from Queensland, Australia. <i>Australian Systematic Botany</i> , 2005, 18, 265.	0.3	37
44	Beyond the tropics: forest structure in a temperate forest mapped plot. <i>Journal of Vegetation Science</i> , 2010, 21, 388-405.	1.1	33
45	Meteorological factors associated with abundance of airborne fungal spores over natural vegetation. <i>Atmospheric Environment</i> , 2017, 162, 87-99.	1.9	33
46	Densityâ€dependent disease, lifeâ€history tradeâ€offs, and the effect of leaf pathogens on a suite of coâ€occurring close relatives. <i>Journal of Ecology</i> , 2018, 106, 1829-1838.	1.9	33
47	Use of sonic tomography to detect and quantify wood decay in living trees. <i>Applications in Plant Sciences</i> , 2016, 4, 1600060.	0.8	32
48	Phylogenetic ecology applied to enrichment planting of tropical native tree species. <i>Forest Ecology and Management</i> , 2013, 297, 57-66.	1.4	30
49	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021, 12, 3137.	5.8	28
50	North American tree migration paced by climate in the West, lagging in the East. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	27
51	Population genetic structure of the polypore <i>Datronia caperata</i> in fragmented mangrove forests. <i>Mycological Research</i> , 2004, 108, 403-410.	2.5	25
52	Contextâ€dependent mutualisms in the Joshua treeâ€yucca moth system shift along a climate gradient. <i>Ecosphere</i> , 2018, 9, e02439.	1.0	22
53	Role of ammonia and calcium in lysis of zoospores of <i>Phytophthora cactorum</i> by <i>Bacillus cereus</i> strain UW85. <i>Experimental Mycology</i> , 1990, 14, 1-8.	1.8	21
54	Exploring Models in the Biology Classroom. <i>American Biology Teacher</i> , 2016, 78, 35-42.	0.1	21

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55	Tree Canopies Reflect Mycorrhizal Composition. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092764.	1.5	21
56	A Canker Disease of Seedlings and Saplings of <i>Tetragastris panamensis</i> (Burseraceae) Caused by <i>Botryosphaeria dothidea</i> in a Lowland Tropical Forest. <i>Plant Disease</i> , 1996, 80, 684.	0.7	21
57	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. <i>Nature Communications</i> , 2022, 13, 2381.	5.8	21
58	The Effect of Rust Infection on Reproduction in a Tropical Tree ( <i>Faramaea occidentalis</i> ) <sup>1</sup> . <i>Biotropica</i> , 1998, 30, 438-443.	0.8	20
59	Growth and survival of aerial roots of hemiepiphytes in a lower montane tropical moist forest in Panama. <i>Journal of Tropical Ecology</i> , 1999, 15, 651-665.	0.5	20
60	Mycorrhizal type influences plant density dependence and species richness across 15 temperate forests. <i>Ecology</i> , 2021, 102, e03259.	1.5	20
61	Interspecific Variation in Rates of Trunk Wound Closure in a Panamanian Lowland Forest. <i>Biotropica</i> , 1996, 28, 23.	0.8	19
62	Ectomycorrhizas and tree seedling establishment are strongly influenced by forest edge proximity but not soil inoculum. <i>Ecological Applications</i> , 2019, 29, e01867.	1.8	19
63	Genetic population structure and distribution of a fungal polypore, <i>Datronia caperata</i> (Polyporaceae), in mangrove forests of Central America. <i>Journal of Biogeography</i> , 2009, 36, 266-279.	1.4	18
64	Soil calcium and plant disease in serpentine ecosystems: a test of the pathogen refuge hypothesis. <i>Oecologia</i> , 2007, 151, 10-21.	0.9	16
65	Phylogenetic congruence between subtropical trees and their associated fungi. <i>Ecology and Evolution</i> , 2016, 6, 8412-8422.	0.8	16
66	The Role of Ascospores and Conidia as Propagules in the Disease Cycle of <i>Hypoxylon mammatum</i> . <i>Phytopathology</i> , 1992, 82, 114.	1.1	16
67	Rarely parasitized and unparasitized species mob and alarm call to cuckoos: implications for sparrowhawk mimicry by brood parasitic cuckoos. <i>Wilson Journal of Ornithology</i> , 2013, 125, 627-630.	0.1	13
68	Persistence of Neighborhood Demographic Influences over Long Phylogenetic Distances May Help Drive Post-Speciation Adaptation in Tropical Forests. <i>PLoS ONE</i> , 2016, 11, e0156913.	1.1	12
69	FUNGAL SYMBIONTS OF TROPICAL TREES <sup>1</sup> . <i>Ecology</i> , 2007, 88, 539-540.	1.5	11
70	Fungal spore diversity, community structure, and traits across a vegetation mosaic. <i>Fungal Ecology</i> , 2020, 45, 100920.	0.7	11
71	<i>allodb</i> : An R package for biomass estimation at globally distributed extratropical forest plots. <i>Methods in Ecology and Evolution</i> , 2022, 13, 330-338.	2.2	11
72	Globally, tree fecundity exceeds productivity gradients. <i>Ecology Letters</i> , 2022, 25, 1471-1482.	3.0	11

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73	Multiple-scale spatial distribution of the fungal epiphyll <i>Scolecopeltidium</i> on <i>Trichilia</i> spp. in two lowland moist tropical forests. <i>Canadian Journal of Botany</i> , 1997, 75, 2158-2164.	1.2	10
74	Host evolutionary relationships explain tree mortality caused by a generalist pestâ€“pathogen complex. <i>Evolutionary Applications</i> , 2021, 14, 1083-1094.	1.5	9
75	Parasitism to mutualism continuum for Joshua trees inoculated with different communities of arbuscular mycorrhizal fungi from a desert elevation gradient. <i>PLoS ONE</i> , 2021, 16, e0256068.	1.1	7
76	Early successional understory communities show idiosyncratic phylogenetic patterns in Neotropical silvicultural plantations. <i>Forest Ecology and Management</i> , 2016, 372, 28-34.	1.4	4
77	Can 100 must-read papers also reflect â€˜whoâ€™ is ecology?. <i>Nature Ecology and Evolution</i> , 2018, 2, 203-203.	3.4	4
78	Discursive Strategies for Climate Change Reporting: A Case Study of <i>The Mercury News</i> . <i>Environmental Communication</i> , 2022, 16, 505-519.	1.2	4
79	Phylogenetic Distance Metrics for Studies of Focal Species in Communities: Quantiles and Cumulative Curves. <i>Diversity</i> , 2022, 14, 521.	0.7	4
80	Porroca: An Emerging Disease of Coconut in Central America. <i>Plant Disease</i> , 2008, 92, 826-830.	0.7	2
81	Cooperative management and its effects on shade tree diversity, soil properties and ecosystem services of coffee plantations in western El Salvador. <i>Advances in Agroforestry</i> , 2009, , 111-126.	0.8	1